

## AMERICAN WHITE OAK SPECIFICATIONS

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Common Name(s) : Oak, White Oak

Botanical Name(s) : Quercus spp

### DISTRIBUTION

White Oaks are a group of closely related species that grow in the central eastern and north eastern States of USA, with the major concentration being in the Appalachian region. The major species, Quercus alba, is similar to European Oak in both appearance, characteristics, and properties.

The resource is adequate to maintain ready availability to both domestic and international markets.

### QUALITY STANDARDS AND GENERAL PROPERTIES

Three grades are imported to New Zealand :

FAS : the highest grade, is virtually clearwood

Rustic : A specialty grade, allowing some tight defects. It is suitable for paneling and flooring

Antique : A specialty grade allowing larger and more defects than Rustic grade. Suitable for "antique" furniture

The species is impervious to liquids, and is an excellent cooperage timber. It easily machines and sands to a high quality finish.

### TYPICAL END USE APPLICATIONS

High quality flooring and paneling, high quality furniture, and boat building.

### TECHNICAL DATA

|                                       |            |                       |
|---------------------------------------|------------|-----------------------|
| <b>Density</b>                        | At 12% mc  | 640 kg/m <sup>3</sup> |
| <b>Shrinkage</b><br>(Green to 12% mc) | Tangential | 5.0% - 8.0%           |
|                                       | Radial     | 3.0% - 5.0%           |
| <b>Durability</b>                     | Heartwood  | Durable               |
|                                       | Sapwood    | Moderately durable    |
| <b>Stability</b>                      | Green      | Prone to shrinkage    |
|                                       | At 12% mc  | Stable                |

### AVAILABILITY

White Oak is available in mixed width packs in nominal 25mm, 40mm, and 50mm thicknesses. 100x25, 150x25, and 200x25 are available in set width packs.

White Oak is tallied in imperial measure for width, thickness, and length.

The timber is readily available, and will continue to be so